

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xuedong Song

Docket No: KCX-693 (19341)

Serial No: 10/719,976

Group No: 1632

Confirmation No: 1744

Examiner: Unknown

Customer No: 22827

Filed: November 21, 2003

Date: July 12, 2004

For: Method For Extending The Dynamic Detection Range Of Assay Devices

RELATED U.S. PATENT APPLICATIONS

ASSISTANT COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

The following commonly assigned U.S. Patent Applications are being cited to the Examiner for review and consideration. Enclosed please find copies of these applications. Once the applications have been reviewed, it is requested that the Examiner place his or her initial to the left of the identified patents on the list document to indicate that the specific patent applications have been considered.

RELATED U.S. APPLICATIONS

<u>Examiner's Initial</u>	<u>Inventor</u>	<u>Serial Number</u>	<u>Filing Date</u>	<u>Title of Application</u>
<u>/J.D./</u>	Wei, et al.	10/325,429 (KCX-570)	12/19/2002	Self-Calibrated Flow-Through Assay Devices
<u>/J.D./</u>	Yang, et al.	10/406,577 (KCX-634)	04/03/2003	Assay Devices That Utilize Hollow Particles
<u>/J.D./</u>	Wei, et al.	10/325,614 (KCX-642)	12/19/2002	Reduction Of The Hook Effect In Membrane-Based Assay Devices
<u>/J.D./</u>	Wei, et al.	10/406,631 (KCX-650)	04/03/2003	Reduction Of The Hook Effect In Assay Devices

<u>/J.D./</u>	Wei, et al.	10/718,997 (KCX-691)	11/21/2003	Extension Of The Dynamic Detection Range Of Assay Devices
<u>/J.D./</u>	Yang, et al.	10/741,434 (KCX-727)	12/19/2003	Laminated Assay Devices
<u>/J.D./</u>	Yang, et al.	10/742,589 (KCX-728)	12/19/2003	Flow Control Of Electrochemical-Based Assay Devices
<u>/J.D./</u>	Yang, et al.	10/742,590 (KCX-729)	12/19/2003	Flow-Through Assay Devices
<u>/J.D./</u>	Xuedong Song	10/718,989 (KCX-741)	11/21/2003	Membrane-Based Lateral Flow Assay Devices That Utilize Phosphorescent Detection
<u>/J.D./</u>	Ning Wei	10/718,996 (KCX-742)	11/21/2003	Method Of Reducing The Sensitivity Of Assay Devices
<u>/J.D./</u>	David S. Cohen	10/836,093 (KCX-826)	04/30/2004	Optical Detection Systems
<u>/J.D./</u>	Boga, et al.	10/790,617 (KCX-827)	03/01/2004	Assay Devices Utilizing Chemichronic Dyes



ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.D./

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Information Disclosure Statement List By Applicant(s) Under 37 CFR Section 1.98(a) (1) (Use several sheets if necessary)	Attorney Docket Number: KCX-693 (19341)	Serial Number: 10/719,976
	Applicant: Xuedong Song	
	Filing Date: November 21, 2003 Confirmation No: 1744	Group Art Unit: 1632

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- (3) Both reasons (1) and (2) apply
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- (5) Per the U.S. Patent and Trademark Office's waiver of Rule 98(a)(2)(i), the item is a U.S. patent or patent application publication, and the present application was filed after June 30, 2003.

U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	PATENTEE NAME	PATENT NUMBER	ISSUE DATE	COPY NOTE	
	Lipman, et al.	D 4 5 0 8 5 4	11/20/2001	5	
	Bruschi	R E 3 0 2 6 7	05/06/1980	5	
	Burch	1 3 6 6 2 4 1	01/18/1921	5	
	Keim	3 7 0 0 6 2 3	10/24/1972	5	
	Keim	3 7 7 2 0 7 6	11/13/1973	5	
	Deutsch, et al.	4 0 9 4 6 4 7	06/13/1978	5	
	Stoy	4 1 1 0 5 2 9	08/29/1978	5	
	Grubb, et al.	4 1 6 8 1 4 6	09/18/1979	5	
	Dorman, et al.	4 2 1 0 7 2 3	07/01/1980	5	
	Litman, et al.	4 2 7 5 1 4 9	06/23/1981	5	
	Wohljen	4 3 1 2 2 2 8	01/26/1982	5	
	Greenquist	4 3 6 3 8 7 4	12/14/1982	5	
	Tom, et al.	4 3 6 6 2 4 1	12/28/1982	5	
	Litman, et al.	4 3 7 4 9 2 5	02/22/1983	5	
	Chen, et al.	4 3 8 5 1 2 6	05/24/1983	5	
	Columbus	4 4 2 6 4 5 1	01/17/1984	5	
	Kowalski, et al.	4 4 2 7 8 3 6	01/24/1984	5	
	Zak, et al.	4 4 3 5 0 4	03/06/1984	5	
	White	4 4 4 1 3 7 3	04/10/1984	5	
	Greenquist, et al.	4 4 4 2 2 0 4	04/10/1984	5	
	Ludwig	4 4 4 4 5 9 2	04/24/1984	5	
	Mitra	4 4 7 7 6 3 5	10/16/1984	5	
	Craig, et al.	4 4 8 0 0 4 2	10/30/1984	5	
	Clark, et al.	4 5 3 3 4 9 9	08/06/1985	5	
	Litman, et al.	4 5 3 3 6 2 9	08/06/1985	5	
	Papadakis	4 5 3 4 3 5 6	08/13/1985	5	
	Keim	4 5 3 7 6 5 7	08/27/1985	5	
	Elings, et al.	4 5 3 7 8 6 1	08/27/1985	5	
	Litman, et al.	4 5 4 0 6 5 9	09/10/1985	5	
	Lowne	4 5 5 2 4 5 8	11/12/1985	5	
	Sekler, et al.	4 5 6 1 2 8 6	12/31/1985	5	
	Lowe, et al.	4 5 6 2 1 5 7	12/31/1985	5	
	Miller	4 5 8 6 6 9 5	05/06/1986	5	
	Cragg, et al.	4 5 9 5 6 6 1	06/17/1986	5	
	Ballato	4 5 9 6 6 9 7	06/24/1986	5	
	Schmidt, et al.	4 6 1 4 7 2 3	09/30/1986	5	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.D./

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	Brunsting	4	6	3	2	5	5	9	12/30/1986	5
	Krull, et al.	4	6	6	1	2	3	5	04/28/1987	5
	Schwartz, et al.	4	6	9	8	2	6	2	10/06/1987	5
	Lee, et al.	4	7	2	2	8	8	9	02/02/1988	5
	Valkirs, et al.	4	7	2	7	0	1	9	02/23/1988	5
	Luotola, et al.	4	7	3	1	3	3	7	03/15/1988	5
	Graham, Jr., et al.	4	7	4	3	5	4	2	05/10/1988	5
	Janata, et al.	4	7	7	6	9	4	4	10/11/1988	5
	de Jaeger, et al.	4	8	3	7	1	6	8	06/06/1989	5
	Blaylock	4	8	4	2	7	8	3	06/27/1989	5
	Noguchi, et al.	4	8	4	3	0	0	0	06/27/1989	5
	Batchelder, et al.	4	8	4	3	0	2	1	06/27/1989	5
	Litman, et al.	4	8	4	9	3	3	8	07/18/1989	5
	Rosenstein, et al.	4	8	5	5	2	4	0	08/08/1989	5
	Ullman, et al.	4	8	5	7	4	5	3	08/15/1989	5
	Devaney, Jr., et al.	4	8	7	7	5	8	6	10/31/1989	5
	Stewart	4	8	7	7	7	4	7	10/31/1989	5
	Pyke, et al.	4	8	9	5	0	1	7	01/23/1990	5
	Brown, III, et al.	4	9	1	6	0	5	6	04/10/1990	5
	Bhattacharjee	4	9	1	7	5	0	3	04/17/1990	5
	Ley, et al.	4	9	4	0	7	3	4	07/10/1990	5
	Hillman, et al.	4	9	6	3	4	9	8	10/16/1990	5
	McDonald, et al.	4	9	7	3	6	7	0	11/27/1990	5
	Godfrey	4	9	9	2	3	8	5	02/12/1991	5
	Livesay	5	0	0	3	1	7	8	03/26/1991	5
	Finlan	5	0	2	3	0	5	3	06/11/1991	5
	Lee, et al.	5	0	2	6	6	5	3	06/25/1991	5
	Finlan, et al.	5	0	3	5	8	6	3	07/30/1991	5
	Finlan	5	0	5	5	2	6	5	10/08/1991	5
	Cozzette, et al.	5	0	6	3	0	8	1	11/05/1991	5
	Finlan	5	0	6	4	6	1	9	11/12/1991	5
	Durley, III, et al.	5	0	7	5	0	7	7	12/24/1991	5
	Frye, et al.	5	0	7	6	0	9	4	12/31/1991	5
	Kane, et al.	5	0	9	6	6	7	1	03/17/1992	5
	Leiner, et al.	5	1	1	4	6	7	6	05/19/1992	5
	Chan, et al.	5	1	2	0	6	6	2	06/09/1992	5
	Hewlins, et al.	5	1	2	4	2	5	4	06/23/1992	5
	Kuypers, et al.	5	1	3	4	0	5	7	07/28/1992	5
	Manian, et al.	5	1	3	7	6	0	9	08/11/1992	5
	Pirung, et al.	5	1	4	3	8	5	4	09/01/1992	5
	Cox, et al.	5	1	4	5	7	8	4	09/08/1992	5
	Kaetsu, et al.	5	1	5	2	7	5	8	10/06/1992	5
	Litman, et al.	5	1	5	6	9	5	3	10/20/1992	5
	Miffitt, et al.	5	1	7	9	2	8	8	01/12/1993	5
	Giesecke, et al.	5	1	8	2	1	3	5	01/26/1993	5
	Backman, et al.	5	1	9	6	3	5	0	03/23/1993	5
	Liberti, et al.	5	2	0	0	0	8	4	04/06/1993	5
	Nakayama, et al.	5	2	0	8	5	3	5	05/04/1993	5
	Manian, et al.	5	2	2	1	4	5	4	06/22/1993	5
	Watanabe, et al.	5	2	2	5	9	3	5	07/06/1993	5
	McGeehan, et al.	5	2	3	4	8	1	3	08/10/1993	5
	Nomura, et al.	5	2	3	5	2	3	8	08/10/1993	5
	Higo, et al.	5	2	3	8	8	1	5	08/24/1993	5
	Bergström, et al.	5	2	4	2	8	2	8	09/07/1993	5
	Tarcha, et al.	5	2	5	2	4	5	9	10/12/1993	5
	Evangelista, et al.	5	2	6	2	2	9	9	11/16/1993	5

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	Berger, et al.	5	2	6	8	3	0	6	12/07/1993	5
	Cooke, et al.	5	3	1	4	9	2	3	05/24/1994	5
	Suzuki, et al.	5	3	1	6	7	2	7	05/31/1994	5
	Okada, et al.	5	3	2	0	9	4	4	06/14/1994	5
	Detwiler, et al.	5	3	2	1	4	9	2	06/14/1994	5
	Bender, et al.	5	3	2	7	2	2	5	07/05/1994	5
	Bar-Or, et al.	5	3	0	8	9	8	8	07/19/1994	5
	Litman, et al.	5	3	4	2	7	5	9	08/30/1994	5
	Lichtenwalter, et al.	5	3	5	2	5	8	2	10/04/1994	5
	Moorman, et al.	5	3	5	6	7	8	2	10/18/1994	5
	Wu	5	3	5	8	8	5	2	10/25/1994	5
	Attridge	5	3	6	9	7	1	7	11/29/1994	5
	Maule	5	3	7	4	5	6	3	12/20/1994	5
	Gumbrecht, et al.	5	3	7	6	2	5	5	12/27/1994	5
	Selmer, et al.	5	3	8	7	5	0	3	02/07/1995	5
	Lambotte, et al.	5	3	9	5	7	5	4	03/07/1995	5
	Maule	5	4	1	5	8	4	2	05/16/1995	5
	Miller, et al.	5	4	1	8	1	3	6	05/23/1995	5
	Jirkowski	5	4	2	4	2	1	9	06/13/1995	5
	Litman, et al.	5	4	3	2	0	5	7	07/11/1995	5
	Bergström, et al.	5	4	3	6	1	6	1	07/25/1995	5
	Rohr	5	4	4	5	9	7	1	08/29/1995	5
	Barrett, et al.	5	4	5	1	6	8	3	09/19/1995	5
	Josse, et al.	5	4	5	5	4	7	5	10/03/1995	5
	Hendrix	5	4	6	4	7	4	1	11/07/1995	5
	Liberti, et al.	5	4	6	6	5	7	4	11/14/1995	5
	Catt, et al.	5	4	6	7	7	7	8	11/21/1995	5
	Bogart, et al.	5	4	6	8	6	0	6	11/21/1995	5
	Bogart, et al.	5	4	8	2	8	3	0	01/09/1996	5
	Barrett, et al.	5	4	8	2	8	6	7	01/09/1996	5
	Lichtenham, et al.	5	4	8	4	8	6	7	01/16/1996	5
	Fodor, et al.	5	4	8	9	6	7	8	02/06/1996	5
	Ackley, et al.	5	4	8	9	9	8	8	02/06/1996	5
	Malmqvist, et al.	5	4	9	2	8	4	0	02/20/1996	5
	Baker, et al.	5	5	0	0	3	5	0	03/19/1996	5
	Senior	5	5	0	4	0	1	3	04/02/1996	5
	Walling, et al.	5	5	0	8	1	7	1	04/16/1996	5
	Bednarski, et al.	5	5	1	0	4	8	1	04/23/1996	5
	Kumar, et al.	5	5	1	2	1	3	1	04/30/1996	5
	Markert-Hahn, et al.	5	5	1	4	5	5	9	05/07/1996	5
	Ekins, et al.	5	5	1	6	6	3	5	05/14/1996	5
	Dosmann, et al.	5	5	1	8	6	8	9	05/21/1996	5
	Soini	5	5	1	8	8	8	3	05/21/1996	5
	Tom-Moy, et al.	5	5	2	7	7	1	1	06/18/1996	5
	Vreeke, et al.	5	5	3	4	1	3	2	07/09/1996	5
	Chadney, et al.	5	5	5	4	5	3	9	09/10/1996	5
	Malmqvist, et al.	5	5	5	4	5	4	1	09/10/1996	5
	Sommer	5	5	6	9	6	0	8	10/29/1996	5
	Lawrence, et al.	5	5	7	1	6	8	4	11/05/1996	5
	Singer, et al.	5	5	7	3	9	0	9	11/12/1996	5
	Davidson	5	5	8	5	2	7	9	12/17/1996	5
	Hansen, et al.	5	5	8	9	4	0	1	12/31/1996	5
	Massey, et al.	5	5	9	1	5	8	1	01/07/1997	5
	Tyler	5	5	9	6	4	1	4	01/21/1997	5
	Stimpson, et al.	5	5	9	9	6	6	8	02/04/1997	5
	Choi, et al.	5	6	1	8	8	8	8	04/08/1997	5
	Bamdad, et al.	5	6	2	0	8	5	0	04/15/1997	5
	Hemmila, et al.	5	6	3	7	5	0	9	06/10/1997	5

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		5	6	4	7	9	9	4	07/15/1997	5
	Tuunanen, et al.	5	6	5	8	4	4	3	08/19/1997	5
	Yamamoto, et al.	5	6	6	3	2	1	3	09/02/1997	5
	Jones, et al.	5	6	7	0	3	8	1	09/23/1997	5
	Jou, et al.	5	6	7	2	2	5	6	09/30/1997	5
	Yee	5	7	0	0	6	3	6	12/23/1997	5
	Shelness, et al.	5	7	2	6	0	6	4	03/10/1998	5
	Robinson, et al.	5	7	3	1	1	4	7	03/24/1998	5
	Bard, et al.	5	7	3	6	1	8	8	04/07/1998	5
	Alcock, et al.	5	7	5	3	5	1	7	05/19/1998	5
	Brooks, et al.	5	7	8	0	3	0	8	07/14/1998	5
	Ching, et al.	5	7	9	5	4	7	0	08/18/1998	5
	Wang, et al.	5	7	9	5	5	4	3	08/18/1998	5
	Poto, et al.	5	7	9	8	2	7	3	08/25/1998	5
	Shuler, et al.	5	8	1	1	5	2	6	09/22/1998	5
	Davidson	5	8	2	7	7	4	8	10/27/1998	5
	Golden	5	8	3	4	2	2	6	11/10/1998	5
	Maupin	5	8	3	7	4	2	9	11/17/1998	5
	Nohr, et al.	5	8	3	7	5	4	6	11/17/1998	5
	Allen, et al.	5	8	4	3	6	9	2	12/01/1998	5
	Phillips, et al.	5	8	5	2	2	9	9	12/21/1998	5
	Josse, et al.	5	8	5	5	2	7	0	03/23/1999	5
	Buechler	5	9	0	6	9	2	1	05/25/1999	5
	Iieda, et al.	5	9	1	0	2	8	6	06/08/1999	5
	Lipskier	5	9	1	0	4	4	7	06/08/1999	5
	Lawrence, et al.	5	9	1	0	9	4	0	06/08/1999	5
	Guerra	5	9	2	2	5	3	7	07/13/1999	5
	Ewart, et al.	5	9	2	2	5	5	0	07/13/1999	5
	Everhart, et al.	5	9	5	1	4	9	2	09/14/1999	5
	Douglas, et al.	5	9	6	2	9	9	5	10/05/1999	5
	Avnery	6	0	0	4	5	3	0	12/21/1999	5
	Sagner, et al.	6	0	2	0	0	4	7	02/01/2000	5
	Everhart	6	0	2	7	9	0	4	02/22/2000	5
	Devine, et al.	6	0	2	7	9	4	4	02/22/2000	5
	Robinson, et al.	6	0	3	0	7	9	2	02/29/2000	5
	Otermess, et al.	6	0	3	3	5	7	4	02/29/2000	5
	Mullinax, et al.	6	0	4	8	6	2	3	03/07/2000	5
	Siddiqi	6	0	6	0	2	5	6	05/09/2000	5
	Everhart, et al.	6	0	8	0	3	9	1	06/27/2000	5
	Everhart, et al.	6	0	8	4	6	8	3	07/04/2000	5
	Tauchya, et al.	6	0	8	7	1	8	4	07/11/2000	5
	Bruno, et al.	6	0	9	9	4	8	4	08/08/2000	5
	Maggini, et al.	6	1	0	3	5	3	7	08/15/2000	5
	Douglas, et al.	6	1	1	7	0	9	0	09/12/2000	5
	Ullman, et al.	6	1	3	6	5	4	9	10/24/2000	5
	Caillouette	6	1	3	6	6	1	1	10/24/2000	5
	Feistel	6	1	3	9	9	6	1	10/31/2000	5
	Saaski, et al.	6	1	5	1	1	1	0	11/21/2000	5
	Blankenship, et al.	6	1	6	5	7	9	8	12/26/2000	5
	Markat	6	1	7	1	7	8	0	01/09/2001	5
	Brooks	6	1	7	1	8	7	0	01/09/2001	5
	Pham, et al.	6	1	7	4	6	4	6	01/16/2001	5
	Freitag	6	1	7	2	8	1	0	01/17/2001	5
	Hirat, et al.	6	1	8	0	2	8	8	01/30/2001	5
	Mania	6	1	8	3	9	7	2	02/06/2001	5
	Everhart, et al.	6	1	8	4	0	4	2	02/06/2001	5
	Kuo, et al.	6	1	9	4	2	2	0	02/27/2001	5
	Neumann, et al.	6	1	9	4	2	2	0	02/27/2001	5
	Malick, et al.	6	1	9	4	2	2	0	02/27/2001	5

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	Hansen, et al.	6	2	0	0	8	2	0	03/13/2001	5
	Grundig, et al.	6	2	2	1	2	3	8	04/24/2001	5
	Everhart, et al.	6	2	2	1	5	7	9	04/24/2001	5
	Catt, et al.	6	2	3	4	9	7	4	05/22/2001	5
	Catt, et al.	6	2	3	5	2	4	1	05/22/2001	5
	Knapp, et al.	6	2	3	5	4	7	1	05/22/2001	5
	Connolly	6	2	3	5	4	9	1	05/22/2001	5
	Monbouquette	6	2	4	1	8	6	3	06/05/2001	5
	Wieder, et al.	6	2	4	2	2	6	8	06/05/2001	5
	Louderback	6	2	5	5	0	6	6	07/03/2001	5
	Barbera-Guillem, et al.	6	2	6	1	7	7	9	07/17/2001	5
	Chandler, et al.	6	2	6	8	2	2	2	07/31/2001	5
	Crismore, et al.	6	2	7	0	6	3	7	08/07/2001	5
	Buechler	6	2	7	1	0	4	0	08/07/2001	5
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	Wei, et al.	6	2	8	4	4	7	2	09/04/2001	5
	Masynard, et al.	6	2	8	7	7	8	3	09/11/2001	5
	Herron, et al.	6	2	8	7	8	7	1	09/11/2001	5
	Kuhr, et al.	6	2	9	4	3	9	2	09/25/2001	5
	Aylott, et al.	6	3	3	1	4	3	8	12/18/2001	5
	Sutton, et al.	6	3	4	8	1	8	6	02/19/2002	5
	Massey, et al.	6	3	6	2	0	1	1	03/26/2002	5
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	Geisberg	6	3	6	8	8	7	5	04/09/2002	5
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	Clark, et al.	6	4	3	6	7	2	2	08/20/2002	5
	Meade, et al.	6	4	4	4	4	2	3	09/03/2002	5
	Massey, et al.	6	4	4	8	0	9	1	09/10/2002	5
	Lawrence, et al.	6	4	5	1	6	0	7	09/17/2002	5
	Hoyt	6	4	5	5	8	6	1	09/24/2002	5
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	Massey, et al.	6	4	6	8	7	4	1	10/22/2002	5
	Borradine, et al.	6	4	7	2	2	2	6	10/29/2002	5
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	Brooks, et al.	6	5	0	9	1	9	6	01/21/2003	5
	Carpenter	6	5	1	1	8	1	4	01/28/2003	5
	Rushbrooke, et al.	6	5	5	6	2	9	9	04/29/2003	5
	Bentsen, et al.	6	5	6	6	5	0	8	05/20/2003	5
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	McGrath, et al.	6	5	7	9	6	7	3	06/17/2003	5
	Ponomarev, et al.	6	5	8	2	9	3	0	06/24/2003	5
	Dapprich	6	5	8	5	9	3	9	07/01/2003	5
	LaBorde	6	6	0	7	9	2	2	08/19/2003	5
	Richter, et al.	6	6	1	3	5	8	3	09/02/2003	5
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	Filing Date: November 21, 2003		Group Art Unit: 1632
	Confirmation No: 1744		

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